

Applicant : Nguyen et al.

Attorney's Docket No.: 19049-005001/4905

Serial No. : 10/677,977

Filed : October 2, 2003

Amendment and Response to Notice to Comply

**AMENDMENTS TO THE SEQUENCE LISTING:**

Please replace the Sequence Listing in the above-captioned application with the attached substitute Sequence Listing on paper. A replacement compact disc in computer-readable form accompanies this response.

## **REMARKS**

Any fees that may be due in connection with the filing of this paper or with this application may be charged to Deposit Account No. 06-1050. If a Petition for Extension of time is needed, this paper is to be considered such Petition.

### **IN THE SPECIFICATION**

Amendments to the specification are made herein to include sequence identifiers (SEQ ID NOS) that correspond to the newly-added sequences in the substitute Sequence Listing. These amendments are made in response to the Notice to Comply, mailed July 27, 2007. No new matter has been added.

### **IN THE SEQUENCE LISTING**

Attached herewith are a substitute Sequence Listing (23 pages), a computer-readable form of the Sequence Listing on CD-R (labeled as Computer Readable Form (CRF)), and a verified statement that the content of the computer-readable form is identical to the Sequence Listing submitted on paper in accordance with 37 C.F.R §§1.821-1.825. The computer-readable form on CD-R of the Sequence Listing, titled 4905SEQ.003.txt, is identical to the 23 page paper copy and contains no new matter.

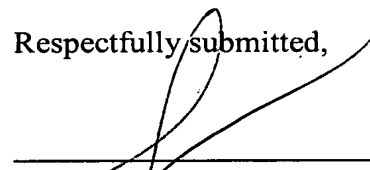
The Sequence Listing is amended herein by the addition of amino acid sequences set forth in SEQ ID NOS:21 to 57, which were inadvertently omitted from the originally-submitted sequence listing. Basis for the inclusion of these sequences in the Sequence Listing can be found in the specification where the sequences are described and set forth. For example, a 4 amino acid sequence (IEPD) is set forth on page 21, line 10. This amino acid sequence is the same as is set forth in SEQ ID NO:21 of the substitute Sequence Listing. The sequence of the fluorogenic substrate Ac-DEVD-AMC, described on page 53, is set forth in the substitute Sequence Listing, as SEQ ID NO:22. The amino acid residues in the contiguous P1-P4 positions of a substrate, as set forth in Tables 3, 5 and 6, are included in the substitute Sequence Listing as four amino acid long sequences. In instances where there identity of an amino acid residue at a position was not identified, such as the P1-P3 positions in the substrates for which Granzyme M and Collagenase are specific, no new sequence has been entered into the sequence listing, because less than four contiguous amino acid residues are represented. The amino acid residues in the S1-S4 positions of a protease, which are set forth in Tables 3 and 6, also are not represented in the substitute Sequence Listing because the positions are not contiguous. No new matter has been added.

Applicant : Nguyen et al.  
Serial No. : 10/677,977  
Filed : October 2, 2003  
Amendment and Response to Notice to Comply

Attorney's Docket No.: 19049-005001/4905

Accordingly, entry of the sequence listing into the file history of the above-captioned application is respectfully requested.

Respectfully submitted,



---

Stephanie Seidman  
Reg. No. 33,779

Attorney Docket No. 19049-005001/4905

**Address all correspondence to:**

Stephanie L. Seidman  
Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
Telephone: (858) 678-5070  
Facsimile: (202) 626-7796  
email: seidman@fr.com